

4-33629 (5038-W001).ST25.txt  
SEQUENCE LISTING

<110> Genova Ltd.  
Bougueleret, Lydie

<120> SECRETED POLYPEPTIDE SPECIES ASSOCIATED WITH CARDIOVASCULAR DISORDERS

<130> 4-33629A/GLT (5038-W001)

<150> US 60/475,121  
<151> 2003-05-30

<150> US 60/475,082  
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<150> US 60/475,083  
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<151> 2003-06-30

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Met Arg Thr Ile Ala Ile Leu Ala Ala Ile Leu Leu Val Ala Leu Gln  
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Ala Gln Ala Glu Ser Leu Gln Glu Arg Ala Asp Glu Ala Thr Thr Gln  
20 25 30

Lys Gln Ser Gly Glu Asp Asn Gln Asp Leu Ala Ile Ser Phe Ala Gly  
35 40 45

Asn Gly Leu Ser Ala Leu Arg Thr Ser Gly Ser Gln Ala Arg Ala Thr  
50 55 60

Cys Tyr Cys Arg Thr Gly Arg Cys Ala Thr Arg Glu Ser Leu Ser Gly  
65 70 75 80

Val Cys Glu Ile Ser Gly Arg Leu Tyr Arg Leu Cys Cys Arg  
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Glu Ser Leu Gln Glu Arg Ala Asp Glu Ala Thr Thr Gln Lys Gln Ser  
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Gly Glu Asp Asn Gln Asp Leu Ala Ile Ser Phe Ala Gly Asn Gly Leu

20 4-33629 (5038-W001).ST25.txt  
25 30

Ser Ala Leu Arg Thr Ser Gly Ser Gln Ala Arg Ala Thr Cys Tyr Cys  
35 40 45

Arg Thr Gly Arg Cys Ala Thr Arg Glu Ser Leu Ser Gly Val Cys Glu  
50 55 60

Ile Ser Gly Arg Leu Tyr Arg Leu Cys Cys Arg  
65 70 75

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Gln Ser Gly Glu Asp Asn Gln Asp Leu Ala Ile Ser Phe Ala Gly Asn  
1 5 10 15

Gly Leu Ser Ala Leu Arg  
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<210> 4  
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<400> 4

Glu Ser Leu Ser Gly Val Cys Glu Ile Ser Gly Arg  
1 5 10

<210> 5  
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<212> PRT  
<213> Homo sapiens

<400> 5

Met Gly Ile Gln Gly Gly Ser Val Leu Phe Gly Leu Leu Leu Val Leu  
1 5 10 15

Ala Val Phe Cys His Ser Gly His Ser Leu Gln Cys Tyr Asn Cys Pro  
20 25 30

Asn Pro Thr Ala Asp Cys Lys Thr Ala Val Asn Cys Ser Ser Asp Phe  
35 40 45

Asp Ala Cys Leu Ile Thr Lys Ala Gly Leu Gln Val Tyr Asn Lys Cys  
50 55 60

Trp Lys Phe Glu His Cys Asn Phe Asn Asp Val Thr Thr Arg Leu Arg  
65 70 75 80

4-33629 (5038-w001).ST25.txt

Glu Asn Glu Leu Thr Tyr Tyr Cys Cys Lys Lys Asp Leu Cys Asn Phe  
                     85                    90                    95

Asn Glu Gln Leu Glu Asn Gly Gly Thr Ser Leu Ser Glu Lys Thr Val  
                     100                    105                    110

Leu Leu Leu Val Thr Pro Phe Leu Ala Ala Ala Trp Ser Leu His Pro  
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Leu Gln Cys Tyr Asn Cys Pro Asn Pro Thr Ala Asp Cys Lys Thr Ala  
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Val Asn Cys Ser Ser Asp Phe Asp Ala Cys Leu Ile Thr Lys Ala Gly  
                     20                    25                    30

Leu Gln Val Tyr Asn Lys Cys Trp Lys Phe Glu His Cys Asn Phe Asn  
                     35                    40                    45

Asp Val Thr Thr Arg Leu Arg Glu Asn Glu Leu Thr Tyr Tyr Cys Cys  
                     50                    55                    60

Lys Lys Asp Leu Cys Asn Phe Asn Glu Gln Leu Glu Asn  
   65                    70                    75

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Leu Gln Cys Tyr Asn Cys Pro Asn Pro Thr Ala Asp Cys Lys  
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Thr Ala Val Asn Cys Ser Ser Asp Phe Asp Ala Cys Leu Ile Thr Lys  
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4-33629 (5038-W001).ST25.txt

Ala Gly Leu Gln Val Tyr Asn Lys  
1 5

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Phe Glu His Cys Asn Phe Asn Asp Val Thr Thr Arg  
1 5 10

<210> 11  
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<400> 11

Leu Arg Glu Asn Glu Leu Thr Tyr Tyr Cys Cys Lys  
1 5 10

<210> 12  
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<400> 12

Glu Asn Glu Leu Thr Tyr Tyr Cys Cys Lys  
1 5 10

<210> 13  
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<212> PRT  
<213> Homo sapiens

<400> 13

Met Ala Val Lys Lys Ile Ala Ile Phe Gly Ala Thr Gly Gln Thr Gly  
1 5 10 15

Leu Thr Thr Leu Ala Gln Ala Val Gln Ala Gly Tyr Glu Val Thr Val  
20 25 30

Leu Val Arg Asp Ser Ser Arg Leu Pro Ser Glu Gly Pro Arg Pro Ala  
35 40 45

His Val Val Val Gly Asp Val Leu Gln Ala Ala Asp Val Asp Lys Thr  
50 55 60

Val Ala Gly Gln Asp Ala Val Ile Val Leu Leu Gly Thr Arg Asn Asp  
65 70 75 80

Leu Ser Pro Thr Thr Val Met Ser Glu Gly Ala Arg Asn Ile Val Ala  
85 90 95

4-33629 (5038-W001).ST25.txt

Ala Met Lys Ala His Gly Val Asp Lys Val Val Ala Cys Thr Ser Ala  
 100 105 110

Phe Leu Leu Trp Asp Pro Thr Lys Val Pro Pro Arg Leu Gln Ala Val  
 115 120 125

Thr Asp Asp His Ile Arg Met His Lys Val Leu Arg Glu Ser Gly Leu  
 130 135 140

Lys Tyr Val Ala Val Met Pro Pro His Ile Gly Asp Gln Pro Leu Thr  
 145 150 155 160

Gly Ala Tyr Thr Val Thr Leu Asp Gly Arg Gly Pro Ser Arg Val Ile  
 165 170 175

Ser Lys His Asp Leu Gly His Phe Met Leu Arg Cys Leu Thr Thr Asp  
 180 185 190

Glu Tyr Asp Gly His Ser Thr Tyr Pro Ser His Gln Tyr Gln  
 195 200 205

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Thr Val Ala Gly Gln Asp Ala Val Ile Val Leu Leu Gly Thr Arg  
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<210> 15  
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Asn Asp Leu Ser Pro Thr Thr Val Met Ser Glu Gly Ala Arg  
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<210> 16  
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<400> 16

Leu Gln Ala Val Thr Asp Asp His Ile Arg  
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<210> 17  
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<400> 17

4-33629 (5038-W001).ST25.txt

Tyr Val Ala Val Met Pro Pro His Ile Gly Asp Gln Pro Leu Thr Gly  
 1 5 10 15

Ala Tyr Thr Val Thr Leu Asp Gly Arg  
 20 25

<210> 18  
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 <212> PRT  
 <213> Homo sapiens

<400> 18

His Asp Leu Gly His Phe Met Leu Arg  
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<210> 19  
 <211> 19  
 <212> PRT  
 <213> Homo sapiens

<400> 19

Cys Leu Thr Thr Asp Glu Tyr Asp Gly His Ser Thr Tyr Pro Ser His  
 1 5 10 15

Gln Tyr Gln

<210> 20  
 <211> 173  
 <212> PRT  
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<400> 20

Met Ser Leu Leu Gly Pro Lys Val Leu Leu Phe Leu Ala Ala Phe Ile  
 1 5 10 15

Ile Thr Ser Asp Trp Ile Pro Leu Gly Val Asn Ser Gln Arg Gly Asp  
 20 25 30

Asp Val Thr Gln Ala Thr Pro Glu Thr Phe Thr Glu Asp Pro Asn Leu  
 35 40 45

Val Asn Asp Pro Ala Thr Asp Glu Thr Val Leu Ala Val Leu Ala Asp  
 50 55 60

Ile Ala Pro Ser Thr Asp Asp Leu Ala Ser Leu Ser Glu Lys Asn Thr  
 65 70 75 80

Thr Ala Glu Cys Trp Asp Glu Lys Phe Thr Cys Thr Arg Leu Tyr Ser  
 85 90 95

Val His Arg Pro Val Lys Gln Cys Ile His Gln Leu Cys Phe Thr Ser  
 100 105 110

## 4-33629 (5038-W001).ST25.txt

Leu Arg Arg Met Tyr Ile Val Asn Lys Glu Ile Cys Ser Arg Leu Val  
 115 120 125

Cys Lys Glu His Glu Ala Met Lys Asp Glu Leu Cys Arg Gln Met Ala  
 130 135 140

Gly Leu Pro Pro Arg Arg Leu Arg Arg Ser Asn Tyr Phe Arg Leu Pro  
 145 150 155 160

Pro Cys Glu Asn Val Asp Leu Gln Arg Pro Asn Gly Leu  
 165 170

<210> 21  
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<400> 21

Ile Pro Leu Gly Val Asn Ser Gln Arg Gly Asp Asp Val Thr Gln Ala  
 1 5 10 15

Thr Pro Glu Thr Phe Thr Glu Asp Pro Asn Leu Val Asn Asp Pro Ala  
 20 25 30

Thr Asp Glu Thr Val Leu Ala Val Leu Ala Asp Ile Ala Pro Ser Thr  
 35 40 45

Asp Asp Leu Ala Ser Leu Ser Glu Lys Asn Thr Thr Ala Glu Cys Trp  
 50 55 60

Asp Glu Lys Phe Thr Cys Thr Arg Leu Tyr Ser Val His Arg Pro Val  
 65 70 75 80

Lys Gln Cys Ile His Gln Leu Cys Phe Thr Ser Leu Arg Arg Met Tyr  
 85 90 95

Ile Val Asn Lys Glu Ile Cys Ser Arg Leu Val Cys Lys Glu His Glu  
 100 105 110

Ala Met Lys Asp Glu Leu Cys Arg Gln Met Ala Gly Leu Pro Pro Arg  
 115 120 125

Arg Leu Arg Arg Ser Asn Tyr Phe Arg Leu Pro Pro Cys Glu Asn Val  
 130 135 140

Asp Leu Gln Arg Pro Asn Gly Leu  
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<210> 22  
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4-33629 (5038-W001).ST25.txt

&lt;400&gt; 22

Leu Tyr Ser Val His Arg Pro Val Lys  
1 5

&lt;210&gt; 23

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 23

Gln Cys Ile His Gln Leu Cys Phe Thr Ser Leu Arg  
1 5 10

&lt;210&gt; 24

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 24

Ser Asn Tyr Phe Arg Leu Pro Pro Cys Glu Asn Val Asp Leu Gln Arg  
1 5 10 15Pro Asn Gly Leu  
20

&lt;210&gt; 25

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 25

Leu Pro Pro Cys Glu Asn Val Asp Leu Gln Arg Pro Asn Gly Leu  
1 5 10 15

&lt;210&gt; 26

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 26

Cys Thr Ser Met Ala Ser Glu Asn Ser Glu Cys Ser Val Lys  
1 5 10

&lt;210&gt; 27

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 27

Ser Asn Cys Cys Gln His Ser Ser Ala Leu Gly Leu Ala Arg  
1 5 10

&lt;210&gt; 28

&lt;211&gt; 19



4-33629 (5038-W001).ST25.txt

<212> PRT  
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<400> 28

Thr Ile Val Gly Ser Ile Thr Asn Thr Asn Phe Gly Ile Cys His Asp  
 1 5 10 15

Ala Gly Arg

<210> 29  
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<400> 29

Cys Leu Asp Pro Val Asp Thr Pro Asn Pro Thr Arg  
 1 5 10

<210> 30  
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<400> 30

Tyr Lys Lys Pro Glu Cys Gln Ser Asp Trp Gln Cys Pro Gly Lys  
 1 5 10 15

<210> 31  
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<400> 31

Asp Pro Pro Gln Tyr Pro Val Val Pro Val His Leu Asp Arg  
 1 5 10

<210> 32  
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<400> 32

Arg Asp Pro Pro Gln Tyr Pro Val Val Pro Val His Leu Asp Arg  
 1 5 10 15

<210> 33  
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 <212> PRT  
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<400> 33

Tyr Ala Gln Thr Pro Ala Asn Met Phe Tyr Ile Val Ala Cys Asp Asn  
 1 5 10 15

4-33629 (5038-w001).ST25.txt

Arg

<210> ~ 34  
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&lt;400&gt; 34

Asp Ala Leu Ser Ala Ser Val Val Lys  
1 5

<210> 35  
<211> 13  
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&lt;400&gt; 35

Asp Ser Gly Glu Asp Pro Ala Thr Cys Ala Phe Gln Arg  
1 5 10

<210> 36  
<211> 10  
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&lt;400&gt; 36

Asp Tyr Tyr Val Ser Thr Ala Val Cys Arg  
1 5 10

<210> 37  
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&lt;400&gt; 37

Phe Pro Val Tyr Asp Tyr Asp Pro Ser Ser Leu Arg  
1 5 10

<210> 38  
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&lt;400&gt; 38

Val Asn Ser Gln Ser Leu Ser Pro Tyr Leu Phe Arg  
1 5 10

<210> 39  
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<212> PRT  
<213> Homo sapiens

&lt;400&gt; 39

Val Ser Ala Gln Gln Val Gln Gly Val His Ala Arg  
1 5 10

4-33629 (5038-W001).ST25.txt

<210> 40  
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<400> 40

Gly Val Ser Leu Arg Pro Ile Gly Ala Ser Cys Arg  
1 5 10

<210> 41  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 41

Gly Val Ser Leu Arg Pro Ile Gly Ala Ser Cys Arg Asp Asp Ser Glu  
1 5 10 15

Cys Ile Thr Arg  
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<210> 42  
<211> 31  
<212> PRT  
<213> Homo sapiens

<400> 42

Ala Asp Glu Val Ala Ala Ala Pro Glu Gln Ile Ala Ala Asp Ile Pro  
1 5 10 15

Glu Val Val Val Ser Leu Ala Trp Asp Glu Ser Leu Ala Pro Lys  
20 25 30

<210> 43  
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<212> PRT  
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<400> 43

Ile Pro Ala Cys Ile Ala Gly Glu Arg  
1 5

<210> 44  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 44

Ile Pro Ala Cys Ile Ala Gly Glu Arg Arg  
1 5 10

<210> 45  
<211> 6  
<212> PRT

4-33629 (5038-W001).ST25.txt

&lt;213&gt; Homo sapiens

&lt;400&gt; 45

Leu Trp Ala Phe Cys Cys  
1 5

&lt;210&gt; 46

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 46

Arg Tyr Gly Thr Cys Ile Tyr Gln Gly Arg  
1 5 10

&lt;210&gt; 47

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 47

Tyr Gly Thr Cys Ile Tyr Gln Gly Arg  
1 5

&lt;210&gt; 48

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 48

Tyr Gly Thr Cys Ile Tyr Gln Gly Arg Leu Trp Ala Phe Cys Cys  
1 5 10 15

&lt;210&gt; 49

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 49

Ala Gly Pro Ala Gln Thr Leu Ile Arg Pro Gln Asp Met Lys  
1 5 10

&lt;210&gt; 50

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 50

Met Ser Ser Ser Tyr Pro Thr Gly Leu Ala Asp Val Lys  
1 5 10

&lt;210&gt; 51

&lt;211&gt; 27

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

4-33629 (5038-W001).ST25.txt

&lt;400&gt; 51

Met Ser Ser Ser Tyr Pro Thr Gly Leu Ala Asp Val Lys Ala Gly Pro  
 1 5 10 15

Ala Gln Thr Leu Ile Arg Pro Gln Asp Met Lys  
 20 25

&lt;210&gt; 52

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 52

Ala Phe Gln Tyr His Ser Lys  
 1 5

&lt;210&gt; 53

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 53

Cys Glu Glu Asp Lys Glu Phe Thr Cys Arg  
 1 5 10

&lt;210&gt; 54

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 54

Glu Pro Leu Asp Asp Tyr Val Asn Thr Gln Gly Pro Ser Leu Phe Ser  
 1 5 10 15

Val Thr Lys

&lt;210&gt; 55

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 55

Glu Asp Pro Thr Val Ser Ala Leu Leu Thr Ser Glu Lys  
 1 5 10

&lt;210&gt; 56

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 56

Val Pro Ser Leu Val Gly Ser Phe Ile Arg  
 1 5 10

4-33629 (5038-W001).ST25.txt

<210> 57  
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<400> 57

Cys Leu His Pro Cys Val Ile Ser Arg  
1 5

<210> 58  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 58

Glu Ala Thr Phe Cys Asp Phe Pro Lys  
1 5

<210> 59  
<211> 11  
<212> PRT  
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<400> 59

Glu Ile Met Glu Asn Tyr Asn Ile Ala Leu Arg  
1 5 10

<210> 60  
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<212> PRT  
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<400> 60

Gly Trp Ser Thr Pro Pro Lys  
1 5

<210> 61  
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<400> 61

Ile Asn His Gly Ile Leu Tyr Asp Glu Glu Lys  
1 5 10

<210> 62  
<211> 13  
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<400> 62

Ile Thr Cys Thr Glu Glu Gly Trp Ser Pro Thr Pro Lys  
1 5 10

<210> 63

4-33629 (5038-W001).ST25.txt

<211> 8  
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<400> 63

Leu Glu Tyr Pro Thr Cys Ala Lys  
 1 5

<210> 64  
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<400> 64

Leu Gln Asn Asn Glu Asn Asn Ile Ser Cys Val Glu Arg  
 1 5 10

<210> 65  
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Asn Gly Gln Trp Ser Glu Pro Pro Lys  
 1 5

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Asn Gly Gln Trp Ser Glu Pro Pro Lys Cys Leu His Pro Cys Val Ile  
 1 5 10 15

Ser Arg

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<400> 67

Ser Phe Trp Thr Arg  
 1 5

<210> 68  
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 <213> Homo sapiens

<400> 68

Ser Phe Trp Thr Arg Ile Thr Cys Thr Glu Glu Gly Trp Ser Pro Thr  
 1 5 10 15

4-33629 (5038-W001).ST25.txt

Pro Lys

<210> 69  
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 <212> PRT  
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&lt;400&gt; 69

Ser Thr Asp Thr Ser Cys Val Asn Pro Pro Thr Val Gln Asn Ala His  
 1 5 10 15

Ile Leu Ser Arg  
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<210> 70  
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&lt;400&gt; 70

Thr Gly Glu Ser Ala Glu Phe Val Cys Lys  
 1 5 10

<210> 71  
 <211> 11  
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&lt;400&gt; 71

Thr Gly Glu Ser Ala Glu Phe Val Cys Lys Arg  
 1 5 10

<210> 72  
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&lt;400&gt; 72

Thr Thr Cys Trp Asp Gly Lys Leu Glu Tyr Pro Thr Cys Ala Lys  
 1 5 10 15

<210> 73  
 <211> 26  
 <212> PRT  
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&lt;400&gt; 73

Tyr Lys Pro Phe Ser Gln Val Pro Thr Gly Glu Val Phe Tyr Tyr Ser  
 1 5 10 15

Cys Glu Tyr Asn Phe Val Ser Pro Ser Lys  
 20 25



4-33629 (5038-W001).ST25.txt

<210> 74  
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<400> 74

Ala Phe Thr Glu Cys Cys Val Val Ala Ser Gln Leu Arg  
 1 5 10

<210> 75  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<400> 75

Cys Cys Tyr Asp Gly Ala Cys Val Asn Asn Asp Glu Thr Cys Glu Gln  
 1 5 10 15

Arg

<210> 76  
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<400> 76

Asp Val Val Gln Ile Thr Cys Leu Asp Gly Phe Glu Val Val Glu Gly  
 1 5 10 15

Arg

<210> 77  
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<400> 77

Glu Asp Thr Pro Asn Ser Val Trp Glu Pro Ala Lys  
 1 5 10

<210> 78  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 78

Gly Asp Ser Gly Gly Ala Phe Ala Val Gln Asp Pro Asn Asp Lys  
 1 5 10 15

<210> 79  
 <211> 19  
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4-33629 (5038-W001).ST25.txt

&lt;400&gt; 79

Gln Phe Gly Pro Tyr Cys Gly His Gly Phe Pro Gly Pro Leu Asn Ile  
1 5 10 15

Glu Thr Lys

&lt;210&gt; 80

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 80

Ser Asn Ala Leu Asp Ile Ile Phe Gln Thr Asp Leu Thr Gly Gln Lys  
1 5 10 15

&lt;210&gt; 81

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 81

Ser Ser Asn Asn Pro His Ser Pro Ile Val Glu Glu Phe Gln Val Pro  
1 5 10 15

Tyr Asn Lys

&lt;210&gt; 82

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 82

Thr Asn Phe Asp Asn Asp Ile Ala Leu Val Arg  
1 5 10

&lt;210&gt; 83

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 83

Val Glu Asp Pro Glu Ser Thr Leu Phe Gly Ser Val Ile Arg  
1 5 10

&lt;210&gt; 84

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 84

Leu Ala Glu Leu Pro Ala Asp Ala Leu Gly Pro Leu Gln Arg  
1 5 10

4-33629 (5038-W001).ST25.txt

<210> 85  
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Leu Ala Tyr Leu Gln Pro Ala Leu Phe Ser Gly Leu Ala Glu Leu Arg  
 1 5 10 15

<210> 86  
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<400> 86

Leu Glu Ala Leu Pro Asn Ser Leu Leu Ala Pro Leu Gly Arg  
 1 5 10

<210> 87  
 <211> 22  
 <212> PRT  
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<400> 87

Ser Phe Glu Gly Leu Gly Gln Leu Glu Val Leu Thr Leu Asp His Asn  
 1 5 10 15

Gln Leu Gln Glu Val Lys  
 20

<210> 88  
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 <212> PRT  
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<400> 88

Val Ala Gly Leu Leu Glu Asp Thr Phe Pro Gly Leu Leu Gly Leu Arg  
 1 5 10 15

<210> 89  
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<400> 89

Cys Phe Leu Gly Cys Glu Leu Pro Pro Glu Gly Ser Arg  
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<210> 90  
 <211> 13  
 <212> PRT  
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<400> 90

Glu Phe Leu Glu Asp Thr Cys Val Gln Tyr Val Gln Lys

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<210> 91  
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<212> PRT  
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&lt;400&gt; 91

Thr Gln Ser Gly Leu Gln Ser Tyr Leu Leu Gln Phe His Gly Leu Val  
1 5 10 15

Arg

<210> 92  
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<212> PRT  
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&lt;400&gt; 92

Ala Leu Asn Ser Ile Ile Asp Val Tyr His Lys  
1 5 10

<210> 93  
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&lt;400&gt; 93

Gly Ala Asp Val Trp Phe Lys  
1 5

<210> 94  
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&lt;400&gt; 94

Gly Asn Phe His Ala Val Tyr Arg  
1 5

<210> 95  
<211> 11  
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&lt;400&gt; 95

Leu Leu Glu Thr Glu Cys Pro Gln Tyr Ile Arg  
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<210> 96  
<211> 7  
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&lt;400&gt; 96

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Met Leu Thr Glu Leu Glu Lys  
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<210> 97  
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<400> 97

Ala Ile Asp Gly Ile Asn Gln Arg  
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<210> 98  
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Cys Met Gly Thr Val Thr Leu Asn Gln Ala Arg  
1 5 10

<210> 99  
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<400> 99

Phe Ala Leu Leu Gly Asp Phe Phe Arg  
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Phe Ala Leu Leu Gly Asp Phe Phe Arg Lys  
1 5 10

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<400> 101

Gly Ser Phe Asp Ile Ser Cys Asp Lys  
1 5

<210> 102  
<211> 12  
<212> PRT  
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<400> 102

Gly Ser Phe Asp Ile Ser Cys Asp Lys Asp Asn Lys

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<210> 103  
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&lt;400&gt; 103

Ile Lys Asp Phe Leu Arg  
1 5

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&lt;400&gt; 104

Gln Val Leu Ser Tyr Lys Glu Ala Val Leu Arg  
1 5 10

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&lt;400&gt; 105

Thr Thr Gln Gln Ser Pro Glu Asp Cys Asp Phe Lys  
1 5 10

<210> 106  
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&lt;400&gt; 106

Thr Thr Gln Gln Ser Pro Glu Asp Cys Asp Phe Lys Lys  
1 5 10

<210> 107  
<211> 6  
<212> PRT  
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&lt;400&gt; 107

Cys Asp Tyr Trp Ile Arg  
1 5

<210> 108  
<211> 7  
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&lt;400&gt; 108

Glu Leu Thr Ser Glu Leu Lys  
1 5

4-33629 (5038-W001).ST25.txt

<210> 109  
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<400> 109

Met Tyr Ala Thr Ile Tyr Glu Leu Lys  
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<210> 110  
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 <212> PRT  
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<400> 110

Ser Leu Gly Leu Pro Glu Asn His Ile Val Phe Pro Val Pro Ile Asp  
 1 5 10 15

Gln Cys Ile Asp Gly  
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<210> 111  
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<400> 111

Ser Tyr Pro Gly Leu Thr Ser Tyr Leu Val Arg  
 1 5 10

<210> 112  
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Thr Phe Val Pro Gly Cys Gln Pro Gly Glu Phe Thr Leu Gly Asn Ile  
 1 5 10 15

Lys

<210> 113  
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<400> 113

Val Pro Leu Gln Gln Asn Phe Gln Asp Asn Gln Phe Gln Gly Lys  
 1 5 10 15

<210> 114  
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4-33629 (5038-W001).ST25.txt

&lt;400&gt; 114

Val Val Ser Thr Asn Tyr Asn Gln His Ala Met Val Phe Phe Lys  
1 5 10 15

&lt;210&gt; 115

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 115

Trp Tyr Val Val Gly Leu Ala Gly Asn Ala Ile Leu Arg  
1 5 10

&lt;210&gt; 116

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 116

Ala Trp Met Glu Thr Glu Asp Thr Leu Gly Arg  
1 5 10

&lt;210&gt; 117

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 117

Asp Asp Gln Leu Val Val Leu Phe Pro Val Gln Lys Pro Lys  
1 5 10

&lt;210&gt; 118

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 118

Gly Pro Ile Leu Pro Gly Thr Lys  
1 5

&lt;210&gt; 119

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 119

His Trp Pro Ser Glu Gln Asp Pro Glu Lys  
1 5 10

&lt;210&gt; 120

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 120



4-33629 (5038-wo01).ST25.txt

His Trp Pro Ser Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg  
 1 5 10 15

<210> 121  
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 <212> PRT  
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<400> 121

Leu Leu Thr Thr Glu Glu Lys Pro Arg  
 1 5

<210> 122  
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<400> 122

Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Gln Gly Arg  
 1 5 10

<210> 123  
 <211> 24  
 <212> PRT  
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<400> 123

Leu Trp Val Met Pro Asn His Gln Val Leu Leu Gly Pro Glu Glu Asp  
 1 5 10 15

Gln Asp His Ile Tyr His Pro Gln  
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<210> 124  
 <211> 26  
 <212> PRT  
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<400> 124

Val Leu Ser Pro Glu Pro Asp His Asp Ser Leu Tyr His Pro Pro Pro  
 1 5 10 15

Glu Glu Asp Gln Gly Glu Glu Arg Pro Arg  
 20 25

<210> 125  
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 <212> PRT  
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<400> 125

Val Val Glu Pro Pro Glu Lys Asp Asp Gln Leu Val Val Leu Phe Pro  
 1 5 10 15

4-33629 (5038-W001).ST25.txt

Val Gln Lys Pro Lys  
20

<210> 126  
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&lt;400&gt; 126

Glu Val Met Pro Ser Ile Gln Ser Leu Asp Ala Leu Val Lys  
1 5 10

<210> 127  
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 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 127

Gly Leu Met Tyr Ser Val Asn Pro Asn Lys  
1 5 10

<210> 128  
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 <212> PRT  
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&lt;400&gt; 128

Asn Ala Asn Thr Phe Ile Ser Pro Gln Gln Arg  
1 5 10

<210> 129  
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 <212> PRT  
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&lt;400&gt; 129

Tyr Glu Ser His Glu Ser Met Glu Ser Tyr Glu Leu Asn Pro Phe Ile  
1 5 10 15

Asn Arg Arg

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&lt;400&gt; 130

Ala Pro Gln Thr Gly Ile Val Asp Glu Cys Cys Phe Arg  
1 5 10

<210> 131  
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&lt;400&gt; 131

Gly Phe Tyr Phe Asn Lys Pro Thr Gly Tyr Gly Ser Ser Ser Arg  
 1 5 10 15

&lt;210&gt; 132

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 132

Gly Pro Glu Thr Leu Cys Gly Ala Glu Leu Val Asp Ala Leu Gln Phe  
 1 5 10 15

Val Cys Gly Asp Arg  
 20

&lt;210&gt; 133

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 133

Leu Glu Met Tyr Cys Ala Pro Leu Lys Pro Ala Lys  
 1 5 10

&lt;210&gt; 134

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 134

Arg Ala Pro Gln Thr Gly Ile Val Asp Glu Cys Cys Phe Arg  
 1 5 10

&lt;210&gt; 135

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 135

Arg Leu Glu Met Tyr Cys Ala Pro Leu Lys Pro Ala Lys  
 1 5 10

&lt;210&gt; 136

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 136

Ala Gln Glu Pro Val Lys Gly Pro Val Ser Thr Lys Pro Gly Ser Cys  
 1 5 10 15

Pro Ile Ile Leu Ile Arg  
 20

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<210> 137  
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Cys Ala Met Leu Asn Pro Pro Asn Arg  
1 5

<210> 138  
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<400> 138

Cys Leu Lys Asp Thr Asp Cys Pro Gly Ile Lys  
1 5 10

<210> 139  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 139

Gly Pro Val Ser Thr Lys Pro Gly Ser Cys Pro Ile Ile Leu Ile Arg  
1 5 10 15

<210> 140  
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<212> PRT  
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<400> 140

Val Pro Phe Asn Gly Gln Asp Pro Val Lys  
1 5 10

<210> 141  
<211> 16  
<212> PRT  
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<400> 141

Val Pro Phe Asn Gly Gln Asp Pro Val Lys Gly Gln Val Ser Val Lys  
1 5 10 15